

Serial No. 10/512,139
Docket No. 03USFP852-K.F.

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FEB 12 2010

(KUD.084)

AMENDMENTS TO THE CLAIMS

Please cancel claims 1, 20-22, and 31 without prejudice or disclaimer and amend claims 23 and 28-30 as follows:

1. (Canceled).
2. (Previously Presented) An anode for a secondary battery comprising:
an anode active material layer which absorbs and discharges lithium ions, said anode active material layer comprising:
a first layer comprising carbon as a chief ingredient; and
a second layer comprising:
at least one first element having a theoretical capacity greater than a theoretical capacity of graphite; and
at least one second element which has a theoretical capacity equal to or less than the theoretical capacity of graphite,
wherein said second layer includes particles, and said particles include said first element and said second element.
3. (Previously Presented) The anode for the secondary battery according to claim 2, wherein surfaces of said particles includes said first element are coated with said second element.
4. (Previously Presented) The anode for the secondary battery according to claim 2, wherein surfaces of said particles includes said second element are coated with said first element.
5. (Original) The anode for the secondary battery according to claim 2, wherein said particles are formed by any of a CVD method, a deposition method, a sputtering method, a mechanical milling method and a mechanical alloy method.
6. (Previously Presented) The anode for the secondary battery according to claim 2, wherein said second element comprises at least one element selected from the group consisting of C, Fe and Cu.

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7. (Previously Presented) The anode for the secondary battery according to claim 2, wherein said first element comprises at least one element selected from the group consisting of Si, Ge, Sn, Al, Pb, Pd, Ag, In and Cd.

8. (Previously Presented) The anode for the secondary battery according to claim 2, further comprising:

a layer comprising Li or a Li compound.

9. (Original) The anode for the secondary battery according to claim 8, wherein said Li compound includes LiF or Li₂O.

10. – 16. (Canceled).

17. (Previously Presented) The anode for the secondary battery according to claim 6, wherein said first element comprises at least one element selected from the group consisting of Si, Ge, Sn, Al, Pb, Pd, Ag, In and Cd.

18. (Previously Presented) The anode for the secondary battery according to claim 17, further comprising:

a layer comprising Li or a Li compound.

19. (Previously Presented) The anode for the secondary battery according to claim 18, wherein said Li compound includes LiF or Li₂O.

20. – 22. (Canceled).

23. (Currently Amended) The anode for the secondary battery according to claim [[1]] 2, further comprising a third layer comprising Li or Li compound.

24. (Previously Presented) The anode for the secondary battery according to claim 23, wherein said Li compound comprises LiF or Li₂O.

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25. (Previously Presented) The anode for the secondary battery according to claim 23, further comprising a fourth layer comprising a lithium ion conductive property.

26. (Previously Presented) The anode for the secondary battery according to claim 25, wherein said fourth layer is formed between said first layer and said third layer.

27. (Previously Presented) The anode for the secondary battery according to claim 25, wherein said fourth layer comprises materials selected from the group consisting of Si, Sn, DLC, a Li₂O-SiO₂ based compound, a Li₂O-B₂O₃-SiO₂ based compound, a Li₂O-B₂O₃-P₂O₅ based compound, a Li₂O-WO₃ based compound, a Li₂O-P₂O₅-SiO₂ based compound, and a Li₂O-B₂O₃ based compound.

28. (Currently Amended) The anode for the secondary battery according to claim [[1]] 2, wherein a volume A of said at least one first element and a volume B of said at least one second element satisfy $0.001 \leq B/(A+B) \leq 0.5$.

29. (Currently Amended) The anode for the secondary battery according to claim [[1]] 2, further comprising a collector placed adjacent to said first layer.

30. (Currently Amended) The anode for the secondary battery according to claim [[1]] 2, further comprising a collector placed adjacent to said second layer.

31. (Canceled).

32. (Withdrawn) A secondary battery comprising:
an anode for a secondary battery;
a cathode which absorbs and discharges lithium ions; and
an electrolyte which is placed between said anode for the secondary battery and said cathode,

wherein said anode for the secondary battery includes:

an anode active material layer which absorbs and discharges lithium ions, said anode active material layer includes:

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a first layer, of which a chief ingredient is carbon, and
a second layer, said second layer includes:

at least one first element which has a theoretical capacity larger than that
of graphite,

at least one second element which has a theoretical capacity equal to or
less than the theoretical capacity of graphite, and said second layer includes particles, and said
particles include said first element and said second element.